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2701 MILES RD SE
ALBUQUERQUE, NM 87106
TEL: 505.242.5700
FAX: 505.242.0673



MOLZEN-CORBIN & Associates

ENGINEERS/ARCHITECTS/PLANNERS

October 20, 2008

Mr. Richard Rogers
Vice President
Tatsch Construction, Inc.
208 Highway 180 West
Silver City, New Mexico 88061

RE: Phase 1A – Sludge Handling and Ultraviolet Disinfection Facilities RUI062-11
Clarifications Regarding Contract Documents and Additional Work Request

Dear Mr. Rogers:

As previously discussed with you, the Village of Ruidoso provided review comments to the Engineer after the bid opening. The majority of the Owner's comments were addressed by clarifications to the project. Some of the Owner's comments appear to be additional work. Summary sheets of the Clarifications to the Project Documents and Change Order Request are enclosed.

Please call me if you have any questions regarding this communication.

Sincerely,

MOLZEN-CORBIN & ASSOCIATES

Angel Campos

ACC:jgo
Enclosures

cc: Mr. Randy Camp, Public Works Director, Village of Ruidoso
Mr. Bill Morris, Senior Deputy Village Manager, Village of Ruidoso
Mr. Cleatus Richards, Public Works Director, City of Ruidoso Downs
Mr. Charles Bacchus, P.E., Bacchus Consulting Engineering
Mr. Lawrence L. Feight, P.E., Sonalysts, Inc.

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RUIDOSO/RUIDOSO DOWNS REGIONAL WWTP (JOINT USE BOARD)
PHASE 1A – SLUDGE HANDLING AND ULTRAVIOLET DISINFECTION FACILITIES

CLARIFICATIONS TO THE PROJECT CONTRACT DOCUMENTS

A. Project Manual

1. Section 16130 – Conduit

a. Make the following changes to the Conduit Schedule:

- 1) Change the name of conduit 30P3022b to 30P3021b for CB 3021.
- 2) Conduit 31P3121 – Change “MCC1A” to “MCC1A via AFD.”
- 3) Conduit 31P3122 – Change “MCC1A” to “MCC1A via AFD.”
- 4) Conduit 31P3125 – Change destination to “D3125, Hydraulic Pump Motor” and add “DS3125” to VIA column.
- 5) Delete Conduit 31P3125a.
- 6) Conduit 31P3142 – Change “MCC1B” to “MCC1B via AFD.”
- 7) Conduit 31P3143 – Change “MCC1B” to “MCC1B via AFD.”
- 8) Conduit 31P3145 – Change destination to “D3145, Hydraulic Pump Motor” and add “DS3145” to VIA column.
- 9) Delete Conduit 31P3145a.
- 10) Add suffix “a” to the second occurrence of conduit 31P3151.
- 11) Add suffix “a” to the second occurrence of conduit 31P3152.
- 12) Conduit #34P3422 - Change “MCC1A” to “MCC1B” in the ORIGIN column.

2. Section 16420 – Motor Control Centers

- a. In paragraph 3.04 F.: Change “NEMA 1B” to “NEMA 1A.”

3. Section 11240 – Ultraviolet Disinfection Equipment

- a. Page 11240-7, Subsection 2.07B, replace subsection with the following:
“B. Input voltage: 277 VAC single phase, 60 Hertz.”

B. Drawings

1. Sheet C30-101

- a. There are four Keyed Note 7 north of the Thickening and Dewatering Building in the drainage swale. Change these four Keyed Note 7 to Keyed Note 23. Add Keyed Note 23 as follows:
“Install 12-inch Standard End Section. See Plan View for Inverts.”

2. Sheet C30-101
 - a. Keyed Note 2 is changed to the following:
“Keyed Note 2 – Install rip-rap blanket with angular rock (fractured face), see Detail Sheet C30-200.”
3. Sheet C30-200
 - a. Add the following note to the Rip-Rap Blanket Detail:
“Cobble for rip-rap shall be angular rock (fractured face).”
4. Sheet A31-101
 - a. In the lower left area, delete the text “Combustible Gas Detection per NFPA 70 and.”
5. Sheet A31-102
 - a. Add the following note to the Reflected Ceiling Plan:
“Adjust luminaire positions as needed to avoid interference with the monorail for the TWAS Pumps.”
6. Sheet S31-101
 - a. Detail A - The last entry in the dimension string at the top of the detail should be 1'-9" and not 1'-10" as shown.
 - b. Foundation Plan - Second dimension string from top. The first dimension should be 56'-0" and not 56'-8" as shown. The other dimension strings showing the out-to-out dimensions of the main building all add up to 78'-8".
7. Sheet S31-303
 - a. The plan dimension of the center of the monorail beam from the face of the stud wall should be 8'-0" as shown on the plan on Sheet S31-102 rather than 7'-9" as shown in Section 3 on Sheet S31-303.
 - b. Other revisions to Section 3:
 - 1) The bottom elevation of the monorail beam should be 6171.50 instead of 6177.67 as shown.
 - 2) The top of concrete slab elevation should be 6158.50 instead of 0'-0" as shown.
 - 3) The elevation of the top of the cmu wall should be 6178.50 instead of 20'-0" as shown.
 - c. The detail at the top of the stud wall supporting the W14x30 monorail support beam should be E/S99-531 instead of D/S99-531 as shown.
8. Sheet W31-305
 - a. Keyed Note 24 as listed on Sheet W31-305 is shown on the “WAW System Mag Meter Detail” on Sheet W31-101. This reference is noted on the column title for the Keyed Notes listed on Sheet W31-305.

9. Sheet W35-101
 - a. Add the following note to this sheet:
"Field coordinate location of transducer to avoid interference between piping/supports and ultrasonic beam."
10. Sheet W35-301
 - a. Add the following note to this sheet:
"Field coordinate location of transducer to avoid interference between piping/supports and ultrasonic beam."
11. Sheet E30-100
 - a. Keyed notes 13 and 15: Add the word "conduits" following "concrete encased."
 - b. Add "30" before "PMSB." This text is located west of Keyed Note 10.
12. Sheet E30-101
 - a. In lower left corner: Change the curved stub-out symbol (at the south) to a rectangular symbol to match the symbol at the west.
13. Sheet E31-102
 - a. In Keyed Note 13, change "PNM" to "RUN".
14. Sheet E31-103
 - a. Add the following note to this sheet:
"Adjust luminaire positions as needed to avoid interference with the monorail for the TWAS Pumps."
15. Sheet E31-401
 - a. Change "ATS" to "AFD" in Keyed Note 6.
16. Sheet E35-101
 - a. Add note to symbols CTE "The motor tee leads are terminated in CTE."
17. Sheet E99-600
 - a. Change the CT ratio for the main CB from "1600:5" to "2000:5."
 - b. Keyed Note 5: Change "60 kA" to "42 kA."
18. Sheet E99-601
 - a. In the UV portion of the one-line diagram change "30P3016" to "30P3021b" and change "30P3026" to "30P3022b."
 - b. Add Keyed Note 11. Apply to lighting contactor. Also add Note 11 to the note column, reading "30A 3P lighting contactor with 120VAC control power transformer and On-Off-Auto switch. NEMA 1 enclosure."

RUIDOSO/RUIDOSO DOWNS REGIONAL WWTP (JOINT USE BOARD)
PHASE 1A – SLUDGE HANDLING AND ULTRAVIOLET DISINFECTION FACILITIES

CHANGES TO THE PROJECT CONTRACT DOCUMENTS
CHANGE ORDER REQUEST FOR THE FOLLOWING ITEMS

A. Project Manual

1. Section 16130 – Conduit

a. Make the following changes to the Conduit Schedule:

- 1) Conduits 30P3021a and 30P3022a: Change from #8 to #10. A credit for this change is requested.
- 2) Conduit 31L3001: Change conductors from 3#8, #10 G to 2#8, #10 G. A credit for this change is requested.
- 3) Conduit 31L3002: Change conductors from 3#8, #10 G to 2#8, #10 G. A credit for this change is requested.
- 4) Conduit 31P3105: Change conduit from 3/4 inch to 1 inch and conductors from 3#10, #12 ground to 3#4, #8 ground.
- 5) Conduit 31P3105a: Change conduit from 1 inch to 2 inch and conductors from 3#6 with #8 ground to 3#3/0, 1#0, and #4 ground.

B. Drawings

1. Sheet A31-101

a. Add two concrete filled pipe bollards.

- 1) One located at the southwest corner of the sludge loading truck slab, south of the column support marked “Keyed Note 23”.
- 2) One located at the southwest corner of the south sidewalk, near the sidewalk trench drain.

2. Sheet A31-102

a. Add a note which reads “Move the symbols for Fan Units, showing one approximately above each door, not above any electrical equipment.”

3. Sheet M31-101

a. Add a note which reads “Move the symbols for Fan Units, showing one approximately above each door, not above any electrical equipment.”

4. Sheet E31-102

a. In the boxed note at the upper left portion of the drawing, delete the sentence “Provide a combustible gas detection system in the press room as one zone of the FAS.” A credit for this change is requested.

5. Sheet E31-401

a. Add a note which reads “Move the symbols for Fan Units, showing one approximately above each door, not above any electrical equipment.”

- b. Note to Contractor: The note above (same note) is added to three drawings (A31-102, M31-101 and E31-401).
- 6. Sheet E36-601
 - a. In Keyed Note 2, change conductors for the temporary WAS Pump to 3#8 and 1#10.
- 7. Sheet E99-601
 - a. At MCC 1B, change the starter from NEMA Size 2 to NEMA Size 1 for Building Drain Lift Pump D3512 and for Thickener Drain Lift Pump D3522. A credit for this change is requested.
 - b. For each of the following pumps, add a CTE symbol between the disconnect switch and the motor: Building Drain Lift Pump D3511, Thickener Drain Lift Pump D3521, Building Drain Lift Pump D3512, Thickener Drain Lift Pump D3522. Provide CTE with terminal boards for connection of field wiring to pump tee leads and ground.
- 8. Sheet E99-601
 - a. For MCC1A, starter for Future Digester Mixer D3240: Show MCP as 50/250 and change the starter to NEMA Size 2.
 - b. For MCC1A, starter for Digester Mixer D3210: Change MCP to 50/250.”
 - c. For MCC1B, starters for Digester Mixer D3220 and Digester Mixer D3230: Change MCP to 50/250.